

PROCEDURE 3077	OFFICE SYSTEMS AND TECHNOLOGY	DATE: 09/14/90
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Title: JCL to Compile FORMDEFs, PAGEDEFs, and Overlays for Use on AFP Cutsheet Laser Printers

Purpose

To publish information and examples to enable users to compile FORMDEFs, PAGEDEFs, and overlays to use on AFP cutsheet laser printers.

Caveat

This document does not explain how to write the source statements to create FORMDEFs, PAGEDEFs, or overlays. That information can be found in the IBM PPFA User's Guide and the IBM OGL User's Guide. Both manuals can be ordered from the ISD Education Center. The Education Center will be periodically presenting courses on creating FORMDEFs, PAGEDEFs, and overlays.

This document also assumes some familiarity with IBM's job control language (JCL) and TSO/ISPF. Classes and manuals on both topics are available in the ISD Education Center.

FORMDEFs and PAGEDEFs

Form definitions (FORMDEFs) and page definitions (PAGEDEFs) can be coded and compiled using the IBM product "Page Printer Formatting Aid" (PPFA). This is batch program. The sample set of JCL to execute the PPFA program is located in dataset SYS4.AFP.SAMPJCL in member name PPFAJCL. This member can be copied into your own TSO dataset for editing. An example set of PPFA JCL is:

```
//J000A000 JOB 000A000-01-00,'PROGRAMMER NAME',MSGCLASS=T,CLASS=B,
//          NOTIFY=userid
//PPFA      EXEC PGM=AKQPPFA,COND=(0,LT)
//STEPLIB   DD DSN=SYS2.AFP.AKQMOD0,DISP=SHR
//FORMLIB   DD DSN=SYS4.AFP.FDEFLIB,DISP=SHR
//PAGELIB   DD DSN=SYS4.AFP.PDEFLIB,DISP=SHR
//SYSPRINT  DD SYSOUT=*
//SYSIN     DD DSN=datasetname(membername),DISP=SHR
```

where 'userid' is TSO id to be notified of the job completion
'datasetname(membername)' is the fully qualified name of the
dataset and member of the PPFA source
statements

Upon successful completion of the job step the dataset specified in the
FORMLIB DD will contain the compiled FORMDEF and the dataset specified
in the PAGELIB DD will contain the compiled PAGEDEF. The FORMDEF and
PAGEDEF will be stored under the names given in the source code. The
content of these members is non-readable object code. The source code
should be saved for future revisions and troubleshooting.

| Overlay Generation Language|
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Overlay Generation Language (OGL) is a software product which creates an
electronic forms overlay similar to a forms flash. An overlay contains
the instructions to place lines, circles, shading patterns, constant
text, and scanned images in predetermined locations on an output page.
Sample JCL to execute the OGL program can be copied from
SYS4.AFP.SAMPJCL(OGLJCL) to your own TSO dataset. The JCL should be
similar to the following example:

```
//J000A000 JOB 000A000-01-00,'PROGRAMMER',MSGCLASS=T,CLASS=B,  
//          NOTIFY=userid  
//OGL      EXEC PGM=DZIOVRLY,PARM='SEQ'  
//STEPLIB  DD DSN=SYS2.AFP.LINKLIB,DISP=SHR  
//OVERFORM OUTPUT FORMDEF=F1OGL,DATAACK=BLOCK  
//SYSPRINT DD SYSOUT=*  
//SAMPLE   DD SYSOUT=V,OUTPUT=*.OVERFORM,DEST=PR807  
//OVLRLIB  DD DSN=SYS4.AFP.OVERLIB,DISP=SHR  
//FONTDD   DD DSN=SYS2.AFP.FONT3820,DISP=SHR  
//SEGDD    DD DSN=SYS4.AFP.PSEGLIB,DISP=SHR  
//SYSIN    DD DSN=datasetname(member),DISP=SHR
```

where 'userid' is TSO id to be notified of the job completion
'datasetname(membername)' is the fully qualified name of the
dataset and member of the OGL source
statements

Upon successful completion of the job step the dataset specified in the
OVLRLIB DD will contain the compiled overlay definition. The SAMPLE DD
statement is optional - if included with an OUTPUT statement a sample of
the form will be printed. The FONTDD and SEGDD DD statements are used
respectively to include the fonts for constant text and scanned images.

The compiled overlay is in a binary format. A copy of the OGL source statements should be retained for revision and troubleshooting.

| Questions |
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If you have questions about the JCL, please contact the Education Center.

KEY WORDS 3820 laser printer PAGEDEF FORMDEF OGL overlay